

Converting Colors

YIQ(50.7070, -19.0690,
-23.3650)

Have a look what the booklet for
YIQ(50.7070, -19.0690, -23.3650)
contains.

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Color

**YIQ(50.7070, -19.0690,
-23.3650)**

Conversions

Conversions Part 1

Format	Color
Hex	124720
RGB	18, 71, 32
RGB Percent	7%, 28%, 13%
CMY	0.9296, 0.7215, 0.8746
CMYK	0.75, 0.00, 0.55, 0.72
HSL	136°, 60%, 17%
HSV	136°, 75%, 28%
XYZ	2.7639, 4.7417, 2.1352
YIQ	50.7070, -19.0690, -23.3650

Conversions

Conversions Part 2

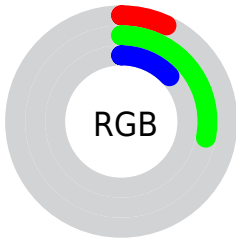
Format	Color
R_{YB}	18, 60, 71
Decimal	1197856
CIE _{Lab}	25.99, -27.22, 18.46
CIE _{LCh}	26, 32.885, 145.859
Yxy	4.7417, 0.2867, 0.4918
Android (android.graphics.Color)	4279387936 (0xFF124720)
YUV	50.7070, -9.2226, -28.6840
Hunter-Lab	21.7756, -15.4505, 9.4291

Details

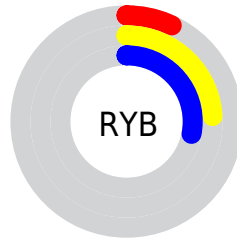
The YIQ color $50.7070, -19.0690, -23.3650$ is a dark color, and the websafe version is hex 003300 . A complement of this color would be $38.2930, 19.0690, 23.3650$, and the grayscale version is $51.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $99.8490, -16.5930, -24.1850$, and $17.0230, -7.9750, -15.1670$ is the 20% darker color. If you saturate the color by 10%, you get $48.0440, -21.6360, -26.4040$, and if you desaturate by 10%, it is $53.3700, -16.5020, -20.3260$.

Distribution



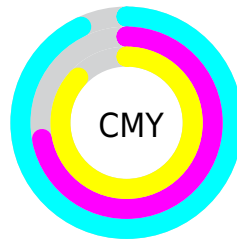
- Red (7%)
- Green (28%)
- Blue (13%)



- Red (7%)
- Yellow (24%)
- Blue (28%)



- Cyan (75%)
- Magenta (0%)
- Yellow (55%)
- Black (72%)



- Cyan (93%)
- Magenta (72%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.7070, -19.0690, -23.3650 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 50.7070, -19.0690, -23.3650 by changing the saturation by 10% instead.

■ 50.7070, -19.0690,
-23.3650

■ 50.7070, -19.0690,
-23.3650

■ 255.0000, -0.0000,
-0.0000

■ 29.3160, -16.4100,
-21.9940

■ 99.8490, -16.5930,
-24.1850

■ 17.0230, -7.9750,
-15.1670

■ 125.3220,
-16.5470, -25.0190

■ 0.0000, 0.0000,
0.0000

■ 151.7950,
-16.5010, -25.8530

■ 178.3820,
-16.7760, -26.3760

■ 206.5560,
-17.3260, -27.4220

■ 233.3820,

-16.7760, -26.3760

■ 244.9460, -9.0760,
-11.7320

■ 50.7070, -19.0690,
-23.3650

■ 50.7070, -19.0690,
-23.3650

■ 48.0440, -21.6360,
-26.4040

■ 53.3700, -16.5020,
-20.3260

■ 45.3810, -24.2030,
-29.4430

■ 56.0330, -13.9350,
-17.2870

■ 43.8430, -25.6240,
-31.2240

■ 58.8100, -11.6890,
-13.9370

■ 61.4730, -9.1220,
-10.8980

■ 64.1360, -6.5550,
-7.8590

■ 67.0980, -3.3920,
-4.6080

■ 69.8750, -1.1460,
-1.2580

■ 72.5380, 1.4210,
1.7810

■ 75.2010, 3.9880,
4.8200

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.5440, 9.3110, -20.0730



50.7070, -19.0690, -23.3650



49.3490, -38.3720, -20.4520

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.7070, -19.0690, -23.3650



50.8090, -53.5060, 0.5260



59.8480, 39.0150, 14.3030

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.7070, -19.0690, -23.3650



38.2930, 19.0690, 23.3650

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.9260, 30.3480, 22.7000



50.7070, -19.0690, -23.3650



61.5150, -16.9670, 15.6490

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.7070, -19.0690, -23.3650



53.4190, -52.5880, -5.1000



62.9870, 11.1830, 23.1110



59.7470, 37.3210, 0.9450

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.7070, -19.0690, -23.3650



51.2870, -43.8290, -15.1650



62.9870, 11.1830, 23.1110



59.8850, 37.5930, 18.0490

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.7070, -19.0690, -23.3650



84.3100, -7.1050, -8.9050



61.0710, 9.2650, -19.2390



41.3860, -4.2630, -5.3430



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.7070, -19.0690, -23.3650



60.2290, -29.8870, -36.5670



53.6710, -27.4150, -15.2790



34.4620, -1.4210, -1.7810



61.0770, -35.5710, -43.6910



140.0890, -81.6850, -100.0610

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.2930, 19.0690, 23.3650



40.7710, 29.8870, 36.5670



35.3290, 27.4150, 15.2790



33.5380, 1.4210, 1.7810



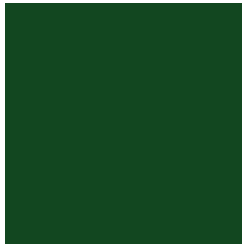
37.9230, 35.5710, 43.6910



86.9110, 81.6850, 100.0610

Previews

White Background



This preview shows how the YIQ color 50.7070, -19.0690, -23.3650 looks on a white background.

Color Contrast Check

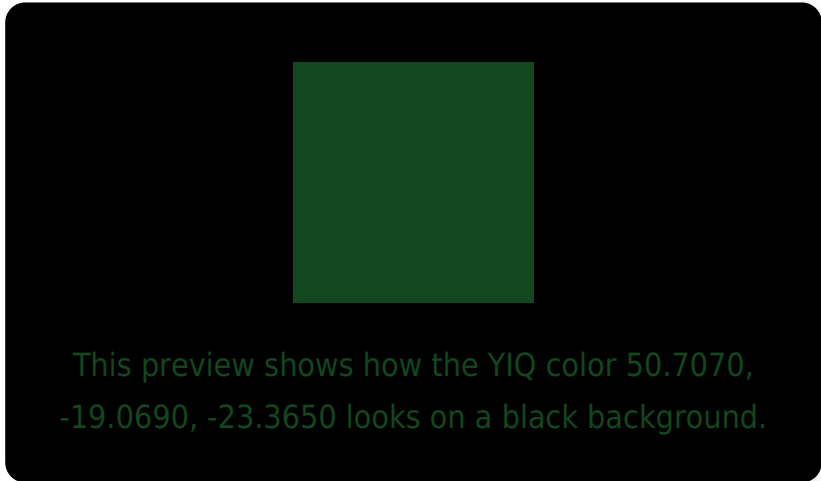
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 50.7070, -19.0690, -23.3650

Background



This preview shows how black text looks on a background with the YIQ color 50.7070, -19.0690, -23.3650.



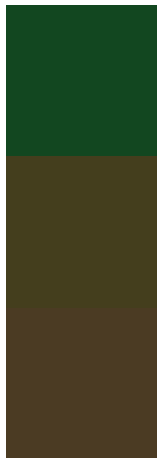
This preview shows how white text looks on a background with the YIQ color 50.7070, -19.0690,

-23.3650.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.7070, -19.0690, -23.3650

Protanopia

60.0320, 14.1690, -8.9910

Deuteranopia

61.0480, 17.2400, -4.0720



Tritanopia

57.1050, -22.4650, -5.8650

Trichromacy



Original Color

50.7070, -19.0690, -23.3650

Protanomaly

56.5250, 2.2950, -14.0650

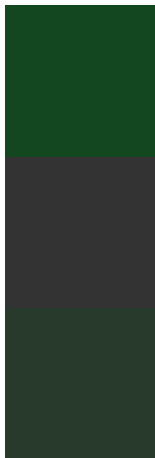
Deuteranomaly

57.0030, 3.9450, -10.9270

Tritanomaly

54.4870, -20.9050, -12.1130

Monochromacy



Original Color

50.7070, -19.0690, -23.3650

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.7230, -6.8300, -8.3820

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.7070, -19.0690, -23.3650 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(18, 71, 32)` looks like.

```
.text, #text, p{  
    color:rgb(18, 71, 32)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(18, 71, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 71, 32) }
```

Border

The CSS property to change the border of an element to YIQ 50.7070, -19.0690, -23.3650 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(18, 71, 32) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(18, 71, 32) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(18, 71, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 71, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 71, 32);  
box-shadow:4px 4px 4px 4px rgb(18, 71, 32)  
}
```

Background

The CSS property to change the background color of an element to YIQ 50.7070, -19.0690, -23.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 71, 32) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(18, 71,  
32) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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